

10/562486

1/11

IAP15 Rec'd PCT/PTO 27 DEC 2005

SEQUENCE LISTING

<110> Haruo, Sugiyama

<120> Method of selecting patients suitable for WT1 vaccine

<130> 664590

<140> PCT/JP2004/009378

<141> 2004-06-25

<150> JP 2003-184436

<151> 2003-06-27

<150> JP 2004-070497

<151> 2004-03-12

<160> 22

<170> PatentIn Ver. 2.1

<210> 1

<211> 449

<212> PRT

<213> Homo sapiens

<400> 1

Met Gly Ser Asp Val Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Pro

1

5

10

15

Ser Leu Gly Gly Gly Gly Cys Ala Leu Pro Val Ser Gly Ala Ala

20

25

30

Gln Trp Ala Pro Val Leu Asp Phe Ala Pro Pro Gly Ala Ser Ala Tyr

35

40

45

Gly Ser Leu Gly Gly Pro Ala Pro Pro Pro Ala Pro Pro Pro Pro Pro  
 50 55 60

Pro Pro Pro Pro His Ser Phe Ile Lys Gln Glu Pro Ser Trp Gly Gly  
 65 70 75 80

Ala Glu Pro His Glu Glu Gln Cys Leu Ser Ala Phe Thr Val His Phe  
 85 90 95

Ser Gly Gln Phe Thr Gly Thr Ala Gly Ala Cys Arg Tyr Gly Pro Phe  
 100 105 110

Gly Pro Pro Pro Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe  
 115 120 125

Pro Asn Ala Pro Tyr Leu Pro Ser Cys Leu Glu Ser Gln Pro Ala Ile  
 130 135 140

Arg Asn Gln Gly Tyr Ser Thr Val Thr Phe Asp Gly Thr Pro Ser Tyr  
 145 150 155 160

Gly His Thr Pro Ser His His Ala Ala Gln Phe Pro Asn His Ser Phe  
 165 170 175

Lys His Glu Asp Pro Met Gly Gln Gln Gly Ser Leu Gly Glu Gln Gln  
 180 185 190

Tyr Ser Val Pro Pro Val Tyr Gly Cys His Thr Pro Thr Asp Ser  
 195 200 205

Cys Thr Gly Ser Gln Ala Leu Leu Arg Thr Pro Tyr Ser Ser Asp  
 210 215 220

Asn Leu Tyr Gln Met Thr Ser Gln Leu Glu Cys Met Thr Trp Asn Gln  
 225 230 235 240

Met Asn Leu Gly Ala Thr Leu Lys Gly Val Ala Ala Gly Ser Ser Ser  
 245                    250                    255  
  
 Ser Val Lys Trp Thr Glu Gly Gln Ser Asn His Ser Thr Gly Tyr Glu  
 260                    265                    270  
  
 Ser Asp Asn His Thr Thr Pro Ile Leu Cys Gly Ala Gln Tyr Arg Ile  
 275                    280                    285  
  
 His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg Arg Val Pro  
 290                    295                    300  
  
 Gly Val Ala Pro Thr Leu Val Arg Ser Ala Ser Glu Thr Ser Glu Lys  
 305                    310                    315                    320  
  
 Arg Pro Phe Met Cys Ala Tyr Pro Gly Cys Asn Lys Arg Tyr Phe Lys  
 325                    330                    335  
  
 Leu Ser His Leu Gln Met His Ser Arg Lys His Thr Gly Glu Lys Pro  
 340                    345                    350  
  
 Tyr Gln Cys Asp Phe Lys Asp Cys Glu Arg Arg Phe Ser Arg Ser Asp  
 355                    360                    365  
  
 Gln Leu Lys Arg His Gln Arg Arg His Thr Gly Val Lys Pro Phe Gln  
 370                    375                    380  
  
 Cys Lys Thr Cys Gln Arg Lys Phe Ser Arg Ser Asp His Leu Lys Thr  
 385                    390                    395                    400  
  
 His Thr Arg Thr His Thr Gly Lys Thr Ser Glu Lys Pro Phe Ser Cys  
 405                    410                    415  
  
 Arg Trp Pro Ser Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val  
 420                    425                    430

Arg His His Asn Met His Gln Arg Asn Met Thr Lys Leu Gln Leu Ala

435

440

445

Leu

<210> 2

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic  
Peptide

<400> 2

Cys Met Thr Trp Asn Gln Met Asn Leu

1

5

<210> 3

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic  
Peptide

<400> 3

Cys Tyr Thr Trp Asn Gln Met Asn Leu

1

5

<210> 4

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic  
Peptide

<400> 4

Arg Met Phe Pro Asn Ala Pro Tyr Leu

1

5

<210> 5

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic  
Peptide

<400> 5

Arg Tyr Pro Ser Cys Gln Lys Lys Phe

1

5

<210> 6

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic  
Peptide

<400> 6

Ser Tyr Thr Trp Asn Gln Met Asn Leu

1

5

<210> 7  
<211> 9  
<212> PRT  
<213> Artificial Sequence  
<220>  
<223> Description of Artificial Sequence:Synthetic  
Peptide

<400> 7  
Ala Tyr Thr Trp Asn Gln Met Asn Leu  
1 5

<210> 8  
<211> 9  
<212> PRT  
<213> Artificial Sequence  
<220>  
<223> Description of Artificial Sequence:Synthetic  
Peptide  
<223> Xaa at 1 position stands for Abu.

<400> 8  
Xaa Tyr Thr Trp Asn Gln Met Asn Leu  
1 5

<210> 9  
<211> 9  
<212> PRT  
<213> Artificial Sequence  
<220>  
<223> Description of Artificial Sequence:Synthetic  
Peptide

<400> 9

Arg Tyr Thr Trp Asn Gln Met Asn Leu

1 5

<210> 10

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic  
Peptide

<400> 10

Lys Tyr Thr Trp Asn Gln Met Asn Leu

1 5

<210> 11

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic  
Peptide

<400> 11

Arg Tyr Phe Pro Asn Ala Pro Tyr Leu

1 5

<210> 12

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

**Peptide**

&lt;400&gt; 12

**Arg Tyr Pro Gly Val Ala Pro Thr Leu**

1

5

&lt;210&gt; 13

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:Synthetic

**Peptide**

&lt;400&gt; 13

**Ala Tyr Leu Pro Ala Val Pro Ser Leu**

1

5

&lt;210&gt; 14

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:Synthetic

**Peptide**

&lt;400&gt; 14

**Asn Tyr Met Asn Leu Gly Ala Thr Leu**

1

5

&lt;210&gt; 15

&lt;211&gt; 9

&lt;212&gt; PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic  
Peptide

<400> 15

Arg Val Pro Gly Val Ala Pro Thr Leu

1

5

<210> 16

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic  
Peptide

<400> 16

Arg Tyr Pro Ser Ser Gln Lys Lys Phe

1

5

<210> 17

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic  
Peptide

<400> 17

Arg Tyr Pro Ser Ala Gln Lys Lys Phe

1

5

<210> 18  
<211> 9  
<212> PRT  
<213> Artificial Sequence  
<220>  
<223> Description of Artificial Sequence:Synthetic Peptide  
<223> Xaa at 5 position stands for Abu.

<400> 18  
Arg Tyr Pro Ser Xaa Gln Lys Lys Phe  
1 . . . . . 5

<210> 19  
<211> 40  
<212> DNA  
<213> Artificial Sequence  
<220>  
<223> Description of Artificial Sequence:PCR Primer

<400> 19  
ccatggcag ccattctatg cgctatttt ctacccgt 40

<210> 20  
<211> 45  
<212> DNA  
<213> Artificial Sequence  
<220>  
<223> Description of Artificial Sequence:PCR Primer

<400> 20  
ggatcctggc tcccatctca gggtgagggg cttgggcaga ccctc 45

<210> 21

<211> 30  
<212> DNA  
<213> Artificial Sequence  
<220>  
<223> Description of Artificial Sequence:PCR Primer

<400> 21  
catatgatcc agcgtacccc gaaaattcag 30

<210> 22  
<211> 30  
<212> DNA  
<213> Artificial Sequence  
<220>  
<223> Description of Artificial Sequence:PCR Primer

<400> 22  
ggatccttac atgtctcgat cccacttaac 30